

NYISO Business Issues Committee Meeting Minutes
Wednesday, June 29th 2005

NYS Nurses Association
11 Cornell Road
Latham, NY 12110

1. Welcome & Meeting Objectives

Ray Kinney of New York State Electric and Gas/ Rochester Gas & Electric, Acting Chair of the Business Issues Committee (BIC), called the meeting to order at 10:03 AM and welcomed the members of BIC. Attendees introduced themselves and named the organizations they represent.

2. Approval of minutes for May 20th, 2005

Motion 1:

Motion to approve the minutes from the May 20th meeting of the BIC.

Motion passed

3. Chair's Report

Mr. Kinney described the creation of a new Billing and Price Corrections Task Force that will meet weekly in July and August, and that would have Ms. Elaine Robinson of the NYISO serve as Task Force facilitator. Mr. Kinney indicated that initial comments should be submitted to Brad Kranz by July 8th and that the first meeting would transpire on July 20th. In response to a question from Kevin Jones of LIPA regarding the timing of the meeting, Mr. Kranz stated that the NYISO was under schedule with the FERC and would file regarding price corrections in October.

4. Market Operations Report

Dave Lawrence of the NYISO presented the Market Operations Report. Mr. Lawrence noted that, with regard to LBMPs in May, the average cost decreased in April from \$73.58 to \$65.59. Also, there is evidence indicating that increased uplift costs have become more visible in LBMPs and that uplift has decreased overall compared to the legacy system. Mr. Lawrence observed that there was high volatility in RT prices, with an increase in the standard deviation for real-time prices. Virtual trading volumes increased in May, which may be attributed to familiarity with SMD2. The NYISO reached summer peak load conditions on June 13th and 14th. Mr. Lawrence stated that there were a number of events occurring that day that contributed to higher prices and that the NYISO was reviewing the use of the out-of-merit process on that day. In regard to a question concerning price revisions from Bill Heinrich of the Public Service Commission, Mr. Lawrence stated that hours 0 through 4, hour 10, 12, and 13 had been reserved and corrected on June 13th, and on the 14th, that hour 17th had been corrected.

5. Regional Market Enhancements

Mr. Lawrence presented the seams report, indicating that the report contained the same information as that presented at the June 21st Management Committee. Mr. Lawrence stated that the NYISO was in the process of updating its quarterly seams report and that it would conduct a teleconference with Market Participants on July 11th that would include ISO-NE and PJM. ITS pilot tests were conducted in April and the NYISO will release a report in July. The NYISO will continue assessing further phases of the proposal through the end of 2005. In response to a question from Rick Mancini of the Price Responsive Load Coalition, Mr. Lawrence responded that ISO-NE was under a FERC order mandating the implementation of ITS. Ms. Doreen Saia, representing Mirant, mentioned that Mr. Robert Thompson of the NYISO had previously noted concern over running the pilot during peak period conditions. In response to a question from Ms. Saia regarding the low volume of arbitraging from New England to New York over last few months and its relation to recent price volatility, Mr. Lawrence agreed that these factors had to be taken into account and stated that the NYISO did not want to conduct testing in the middle of July. Mr. Thompson added that the agreement in the New England Control Area was to run one test and go back to Market Participants to reauthorize further tests per ISO-NE obligations to the FERC. Mr. Thompson stated that the ISO/RTOs were trying to schedule technical discussions to determine how to proceed. In response to a question from Ms.

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Saia, Mr. Thompson opined that the timing of the second test was dependent upon the approval process in the two markets and that ISO-NE requires Market Participant authorization subsequent to the second test.

With respect to the Regional Adequacy Model issues, the FERC ALJ's decision regarding ISO-NE's locational ICAP market proposal was issued on June 15. The PJM Board of Managers received comments regarding its Reliability Pricing Model (RPM) proposal from Members at the May 5 Annual Meeting, and no decision has been reached yet whether to pursue the RPM further. A joint meeting of ISO-NE/NYISO/PJM and stakeholders is being planned for Q3-2005 to review each ISO/RTO's respective capacity market proposals.

The Controllable Lines project was implemented on June 7th and a Technical Bulletin was issued to describe how the process works. E-tagging deployment was postponed due to system conditions. Deployment for facilitated checkout is planned for June 29th. The NYISO is currently soliciting stakeholder feedback on its market evolution plan, including reserves participation in regional markets, congestion shortfall from external outages, and multiple proxies.

In response to a question from Michel Prevost of HQ Energy Services regarding the 1740 line, Mr. Lawrence recommended that Mr. Prevost submit the issue through email and that the NYISO would return a response. In response to a question from Mr. Prevost regarding modeling of netted transactions at the NYISO-HQ interface, Mr. Lawrence noted that LECG was looking at the issue of modeling and that the NYISO would issue a white paper on the issue of wheel-throughs. Mr. Larry Dewitt of Scenic Hudson asked for an update on the generator attributes trading system discussion. Mr. Lawrence responded that the NYISO was engaged in discussions with NYSERDA and the PSC - drivers of the RPS - and that NYSERDA was having a workshop in mid- to late-July. Mr. Lawrence noted that there was a placeholder in the 2006 NYISO budget to ensure the completion of this work.

6. Working Group Updates

A. Billing and Accounting

Report attached as supplementary material to the 6/29/2005 BIC meeting material.

B. Billing Issues Resolution Team

No report.

C. ESPWG

Report attached as supplementary material to the 6/29/2005 BIC meeting material.

D. ICAP Working Group

The ICAP Working Group met June 14th and 16th. The June 14th meeting included a discussion on the import rights issue. The NYISO confirmed that it would need to make tariff revisions if a mechanism such as an auction that resulted in the collection of charges for the rights was pursued. The NYISO will modify its process for rights for the spring 2005 allocations. During the June 16th meeting, Belinda Thornton, Assistant Vice President of Corporate Product Management, announced that the NYISO Board of Directors would hold oral arguments on recent issues regarding the ICAP Demand Curves and 2005 Gold Book data. Ms. Thornton also indicated that the NYISO would likely need to request an extension of the six-month deadline for a compliance filing that was required by the April 2005 Demand Curve order, wherein the FERC directed the NYISO to propose tariff amendments that would include the procedural details for future periodic demand curve adjustments within the tariff. Additionally, the NYISO made a presentation on DMNC tests and procedures, and data verified by

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automated processes. Art Desell recapitulated details on the UCAP automation test and discussed sets of ICAP manual changes to be discussed.

E. IITF meeting

The IITF met on June 8th to discuss the Interconnection Study. The PJM methodology for was discussed during the June 22nd meeting.

F. Market Structures Working Group

Report attached as supplementary material to the 6/29/2005 BIC meeting material.

G. Price Responsive Load

Report attached as supplementary material to the 6/29/2005 BIC meeting material.

H. Scheduling & Pricing

No report

7. Proposal to Remove Sunset Provision for Emergency Demand Response Program

Mr. Aaron Breidenbaugh of the NYISO discussed the sunset provision for the NYISO Emergency Demand Response Program and set forth a proposal to remove the provision. Mr. Breidenbaugh explained that the program was originally approved with a three-year life span, which currently lapses in October 2005. Mr. Breidenbaugh maintained that the program was an important part of the NYISO markets for maintaining reliability during reserve pickups. Mr. Kinney asked if the NYISO removed the sunset provisions, would it continue to review and report to the BIC on the efficacy of the program. Mr. Breidenbaugh responded that all programs are reviewed on a continuous basis and that the NYISO was under an obligation to report on a semi-annual basis by the FERC on any proposed changes.

Motion #2:

The NYISO Business Issues Committee hereby approves the removal of the sunset date for the Emergency Demand Response Program.

(Motion passed unanimously by show of hands with the following abstentions:

Fortistar/Lockport Energy Associates

Mirant

Entergy Nuclear Northeast

FPL Energy

NYSEG/RGE)

8. Proposal to Remove Sunset Provision for Day-Ahead Demand Response Program

Mr. Aaron Breidenbaugh of the NYISO discussed the sunset provision for the NYISO Day-Ahead Demand Response Program and set forth a proposal to remove the provision. Mr. Breidenbaugh described that the DADRP has the same October 2005 sunset date as the EDRP program. Mr. Breidenbaugh described how the program allows loads to participate in the NYISO Day-Ahead Markets as generators, and, if their bid prices are competitive, how these resources will be selected to participate in the DAM and set market clearing prices. Mr. Breidenbaugh opined that one distinguishing feature of the program was that in addition to DADRP providers being paid LBMP, the LSE also receives a credit for its day-ahead schedule equal to the DR payment.

Faced with pending expiration of the program, Market Participants spent several months during 2003 and 2004 reviewing alternatives to the current incentivized DADRP program. Mr. Breidenbaugh maintained that aggregators are the key to the programs and that they enroll a large percentage of program participants. Mr. Breidenbaugh stressed the need to have third-party aggregators market the

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program. Notably, Market Participants expressed no enthusiasm for the idea of eliminating the program in its entirety and agreed that the current incentivized version of the program was preferable to any of the alternatives considered, subject to adjusting the floor price, eliminating the “higher of” pricing rule for schedule deviations and eliminating the sunset date. Mr. Breidenbaugh mentioned the DADRP’s role as a critical component of the NYISO’s market and a necessary condition to truly competitive markets. Mr. Breidenbaugh also noted the FERC’s prior mandate to Northeast ISOs and RTOs to open their energy markets to demand response resources.

Mr. Breidenbaugh described the payment incentive to program participants and the negligible administrative costs incurred by the NYISO in support of the program. In response to a question from Mr. Glen Haake of IPPNY, Mr. Breidenbaugh clarified that the incentive was a credit received by the LSE that is equal to the LBMP payment made to the provider. The credit is characterized in the tariff as the incentive, Mr. Breidenbaugh added, and continued that if the credit goes away, then the DADRP can cost the LSE money. Effectively, this payment insulates the LSE from financial harm.

Mr. Breidenbaugh quantified the cost/benefit analysis for the DADRP and maintained when supply curves are steep (i.e. the “hockey stick” is present), DADRP is highly cost effective. Conversely, during periods when supply curves are flat, DADRP benefits are more limited. In response to a question from Mr. Tariq Niazi of the New York State Consumer Protection Board regarding the market impacts quantified in the cost/benefit table, Mr. Lawrence replied that data in the table was based on summer months.

Mr. Breidenbaugh stressed the importance of aggregators to the program and their concern that the program will disappear with the expiration of the sunset clause. Mr. Breidenbaugh discussed barriers to the DADRP including low Day-Ahead prices, the lack of certainty regarding the continuation of the program, and the complexity of the NYISO markets. He concluded his presentation by outlining the NYISO’s vision for DADRP, including increased resources, simplified end user participation by providing standing bids and being able to notify resources, and the encouragement of aggregators.

Motion #3:

The NYISO Business Issues Committee hereby approves the removal of the sunset date for the Day-Ahead Demand Response Program.

(Motion passed unanimously by show of hands with the following abstentions:

Fortistar/Lockport Energy Associates

Mirant

Entergy Nuclear Northeast

FPL Energy

Constellation Power Source

KeySpan Ravenswood

LIPA

NYSEG/RGE)

9. Out of Merit Operation and Price Corrections

Rick Gonzales addressed the NYISO’s review of market operations during the week of June 13. Mr Gonzales made the following points to the Committee:

Several Market Participants have raised questions regarding the appropriateness of unit operation classifications posted to the ISO Oasis, specifically the identification of OOM requests on June 13.

The NYISO may use either ISO or local to requests for OOM as identified in Technical Bulletin #45.

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The NYISO has reviewed the identification of OOM requests posted to the ISO OASIS and has determined that several unit operation classifications on June 13 were not appropriate. This includes several unit operation classifications labeled as OOM for ISO and local TO requests.

OOM requests for several hours that were labeled for ISO and local TO requests should have been treated as committed for ISO reliability or ISO security. These commitments are not posted to the OASIS.

As a result, operator procedures have been updated and the guidelines for operators to use when determining unit operation have been clarified. Such unit operation misclassifications are not expected in the future.

The proper classification of unit operation is important.

Under legacy operation, units taken OOM for either local TO or ISO requests were added to the pricing dispatch with fixed limits and therefore were not capable of setting price as stated in Technical Bulletin #45.

However, with the implementation of SMD2, units taken OOM for either local TO or ISO requests are added to the pricing dispatch with flexible limits. They are, therefore, eligible to set price and, in fact, did so on June 13

As a result of the review of this issue, the ISO is investigating software modifications to ensure that units taken OOM for local TO and ISO requests will not be eligible to set price consistent with the rules defined in TB #45.

As a related finding, the NYISO has determined that should ISO operations determine after the fact that a unit operation classification was in error, the NYISO will invoke its normal price reservation and price correction processes.

In response to a question from Bill Heinrich of the PSC, Mr. Gonzales replied that it was possible that units not eligible to set price by the tariff did set price for days during June 2005. Mr. Gonzales stated that the primary concern was related to a number of gas turbines taken OOM and misclassified and, due to a software discrepancy, that were capable of setting price. He added that there was a corollary that there may have been units that were truly not intended to set price and did actually set price. The more significant issue is the number of gas turbines eligible to set price due to the software discrepancy. LECG is investigating the minor issue. If NYISO operations determines that there has been a unit misclassification (a unit should have been OOM or vice versa) the NYISO will invoke its normal price correction option. The bulk of units that were misclassified were in the pricing classification so there would not be price corrections.

Mr. Roy Shankar of East Coast Power Linden Holding, LLC. asked if Mr. Gonzales' statement that certain units were treated OOM but were in the pricing dispatch was a universal statement for all units that were logged OOM. Ms. Mollie Lampi of the NYISO replied that those OOM units misclassified as ISO or local TO requests were in the pricing dispatch. In response to a question from Stuart Nachmias of Consolidated Edison, Ms. Lampi replied that during the June heat wave, units classified for ISO or local TO requests should have been treated differently and that treatment is a flexible pricing treatment and allows them to be eligible to set price. Mr. Nachmais asked which units were not eligible to set price. Mr. Gonzales answered only those units that should have been correctly identified as OOM. In response to a question from Michael Mager of Multiple Intervenors regarding

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the magnitude of the misclassifications, Mr. Gonzales opined that the magnitude was expected to be insignificant and that the only potential correction would be for gas turbines committed for a transmission constraint that is not modeled in the NYCA grid, which is a very infrequent need. Mr. Haake asked if there were situations where units were classified as TO OOMs that should have been classified as ISO OOMs and whether there was a difference from a settlement perspective. Mr. Gonzales replied that the settlement issue would have to be discussed at a later point and to the first part of Mr. Haake's question, that the finding was that either the ISO or local TO requests for OOM should not have been OOM requests at all. In response to a question from Mr. Liam Baker of Orion Power NY, Mr. Gonzales explained that OOM is an event used for two conditions: transmission or voltage constraints; or, when the scheduling systems are not responding to a security issue. OOMs should be a short-term action and the intent is to use LBMP pricing concepts to ensure that units in operation are represented by clearing prices in the marketplace. Mr. Baker offered an example where one generation owner's unit was kept OOM to allow another owner's to come off and asked if electrons were going to the same bus, why was a steam unit kept up to allow gas turbines to come off. Mr. Baker suggested that this example was indicative of how the OOM process might be misused. Mr. Gonzales replied that if the example constituted a load pocket issue, the load pocket should have been used to identify the transmission-constrained areas and all resources used to meet those needs. Mr. Gonzales suggested that the movement from the legacy methodology of addressing load pockets will meet these limitations and improve operation of market, as a whole.

In response to a question from Mr. Nachmias, Mr. Gonzales responded that the software corrections are within the unit commitment process and that current NYISO documentation was correct. However, Mr. Gonzales was doubtful that the software corrections would be done within a month's time and indicated that in the interim the NYISO would use its price reservation and correction process to address limitations. Mr. Tim Foxen of NRG Power Marketing asked whether the misclassification of OOMs was specific to load pockets. Mr. Gonzales indicated that the misclassification applied to all units and that during the week of the 13th, a number of gas turbines were OOM due to either the NYISO or local TO requests. Mr. Foxen asked what constituted the differences for the week of June 13th compared to other days when there are significant number of gas turbines taken OOM. Mr. Gonzales opined that the difference should be evident from review of OASIS. In response to a question from Mr. Foxen, Mr. Gonzales answered that OOMs are posted for the affected generator owner and the marketplace at large and that if the NYISO has requested a unit's operation outside of normal operation and the principles normally captured by LBMP, with respect to load pockets, the NYISO wants to use LBMP pricing and transmission constraints to address pricing. Consequently, OOM pricing is not suitable for the marketplace.

9. Summary of RPS Market Impact Study

Mr. Robert Sinclair of Potomac Economics discussed market impacts of the New York Renewable Portfolio Standard (RPS) and summarized the findings of a report prepared by Potomac Economics. Mr. Sinclair reviewed the 2004 NYPSC Order that established the requirement that 25% of energy consumed in New York should be produced from eligible renewable resources by 2013. The current level is about 19.5% and the increased levels will come from wind power facilities. Mr. Sinclair explained that the report broached two main economic issues: the short- and long-term effects of the RPS on New York State energy and capacity markets; and, the possible impact of alternative procurement methods.

With regard to the short-term effects of the RPS, Mr. Sinclair opined that the RPS will likely cause energy and capacity prices to decrease by approximately 16%. Mr. Sinclair summarized the assumptions used for the long-run RPS methodology and concluded that energy prices decreased by 3.5 to 6.1 percent depending on the location in the NYCA and capacity prices increased by 14.5 percent in the rest-of-state area.

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In response to a question from Mr. Kinney regarding the assumptions used for the short-term analysis, Mr. Kinney questioned the assumption that no western capacity retired in the short-term analysis. Mr. Kinney asked why older fossil generation wouldn't retire in the face of decreasing costs in both the capacity and energy markets. Mr. Sinclair responded that Potomac Economics wanted to use a static model and that if it had included an assumption for resource retirements, the estimated decreases in prices would be affected. Mr. Sinclair responded that Potomac Economics wanted to use a static model and that if it had included an assumption for resource retirements, the estimated decreases in prices would be affected. Mr. Sinclair suggested that the largest impact from the short-term analysis was evident in the west from new RPS resources and hydro resources from Canada and that pricing impacts in the east resulted from the lower prices in the west. Mr. Sinclair stated that low prices in the east were driven by data in the Gold Book and an assumption of a 4.5 percent gas price. In the short run, because energy and capacity prices decline and total costs to the system decline by \$250 million, credits paid to get RPS resources online is \$78 million. The total costs to load decline by \$177 million per year.

Mr. Sinclair explained that long-term analysis looked at east outside of New York City as to whether renewable resource entry would occur there and assumed fossil fuel retirements in the west. If no RPS resources were added, there would have to be 400 MWs of retirement. With renewable portfolio standard resources, adding 45 MWs of low cost capacity in the east would indicate 1,800 MW should be retired in the west. Again, Mr. Kinney questioned the results that indicated a drop in energy prices, specifically fewer reserve shortages and scarcity pricing events. Mr. Kinney pointed out that typically scarcity prices and reserve shortages occur during hot summer weather. This typically corresponds to times when hydro resources may be short of water and there may be little wind to drive wind resources. The results seem counter-intuitive. Mr. Sinclair responded that the savings were model outputs. The report assumed a three percent increase for cost parameters. The report assumed a three percent increase for cost parameters. Mr. Haake asked if equilibrium indicated that that system is at 18% reserve. Mr. Sinclair replied that energy and capacity prices in the east could enter the market and cover its capital costs. Mr. Mager expressed skepticism for the study's findings that energy prices in NYC would be less than in the East, with or without the RPS, in the short-term and the long-term.

Mr. Sinclair proposed two alternate models of procurement and explained that most proposals are based on providing units with a renewable energy credit (REC). The two alternatives are fixed REC or variable REC. Under a fixed REC, the total payment varies, while under the variable REC, the payment is fixed. Mr. Sinclair maintained that, based on criteria presented in the report, the fixed REC approach would have superior incentives, including the incentive to locate in more valuable locations (east) and the incentive to invest in technology.

10. Follow-up: Questions on Effects of Fuel Derates on Winter 2004/2005

Andrew Bachert of the NYISO addressed questions raised from his previous presentation for the April 27th Committee meeting. Mr. Bachert reviewed the three periods during the Winter 2004/2005, where there were large concentrations of fuel derates and stated that the derates coincided with cold weather. Mr. Bachert suggested that most of questions regarding the derates focused on the types of units, by fuel, that were available. The NYISO has limited data on types of fuel that generators use and includes annual Gold Book data and data collected by the NYISO's Market Monitoring and Performance Unit. Fuel capability is grouped by three categories: dual fuel, natural gas, and oil only. The majority of units scheduled during the fuel derates were dual fuel units. Additionally, based on spot prices for fuel, most of units scheduled during the fuel derates were running on residuals. Mr. Bachert described how in most hours there appeared to be sufficient zonal generation during the studied periods of fuel deratings. While many oil- and gas-only units bid as if they were available to

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the NYISO, the NYISO does not know if these units could have run if they were actually called upon. The estimated zonal reserve margin for most hours exceeded 20%. During the peak winter hours, reserves dipped to 15% for two hours. Mr. Bachert noted that although during this time frame a significant amount of units were derated for environmental restrictions relative to those units derated for lack of fuel, most of the derates for environmental restrictions applied to the coal units in upstate New York. Mr. Bachert concluded that the fuel derates did not pose a threat to the electrical grid and that the NYISO has a large concentration of dual fuel units helping out during these periods. Mr. Bachert suggested that there was an implied benefit in burning two types of fuel and that the need for dual fuel capability is critical.

11. New Business

None

12. Administrative Matters

Action item report included with meeting material

13. Adjournment

Meeting adjourned at 2:47 PM.

Respectfully Submitted,
Caleb Derven
BIC Recording Secretary

NYISO Business Issues Committee

June 29, 2005

NYSNA

MOTIONS FROM THE MEETING

Motion #1:

Motion to approve the Minutes from the May 20, 2005 BIC meeting.
(Motion passed unanimously by show of hands)

Motion #2:

The NYISO Business Issues Committee hereby approves the removal of the sunset date for the Emergency Demand Response Program.

(Motion passed unanimously by show of hands with the following abstentions:

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Motion #3:

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New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance June 29, 2005 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
NYS Energy Research & Develop. Auth.	End Use - Gov. Agency/Aggr.	✓ David Coup	Paul DeCotis	Chris Hall	Erin Hogan	John Spath			
The City of New York	End Use - Gov. Agency/Aggr.	Michael Delaney	Gil Quiniones	Thomas Simpson	Jonathan Wallach	Tim Daniels			
Alcoa/Reynolds Metals Company	End Use - Large Consumer	Robert Loughney	✓ Michael Mager	Morgan Parke					
Helmsley-Spear Inc.	End Use - Large Consumer	David Bomke	George Diamantopoulos	Edward Strauss	Herb Rose				
IBM Corporation	End Use - Large Consumer	Robert Loughney	✓ Michael Mager	Morgan Parke					
Occidental Chemical Corp.	End Use - Large Consumer	Robert Loughney	✓ Michael Mager	Morgan Parke					
Praxair Inc.	End Use - Large Consumer	Robert Loughney	✓ Michael Mager	Morgan Parke					
Xerox Corporation	End Use - Large Consumer	Robert Loughney	✓ Michael Mager	Morgan Parke					
Metropolitan Transportation Authority	End Use - Large Cons. Gov.	Jesse Samberg	Gary Caplan	Walter McCarroll					
American Sugar Refining, Inc.	End Use - Small Consumer	John Gebhard	Quintin George	Catherine Luthin	John Dowling	Jennifer Kearney			
Association for Energy Affordability, Inc.	End Use - Small Consumer	David Hepinstall	✓ Larry DeWitt						
Beth Israel Health Care System	End Use - Small Consumer	Catherine Luthin	John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
Building and Realty Institute	End Use - Small Consumer	Herb Rose	Judith Mondre	Ted Lee	✓ Tariq Niazi				
Columbia University	End Use - Small Consumer	Catherine Luthin	John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
Mount Sinai Medical Center	End Use - Small Consumer	Catherine Luthin	John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
New York Presbyterian Hospital	End Use - Small Consumer	Catherine Luthin	John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
New York University	End Use - Small Consumer	Catherine Luthin	John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
NY State Consumer Protection Board	End Use - State Agency	✓ Tariq Niazi	Doug Elfner						
AES NY	Generation Owners	Doug Roll	Charles Sjoberg	Christopher Wentlent					
American National Power, Inc.	Generation Owners	Dorothy Capra	Bill Henson						
Astoria Energy LLC	Generation Owners	Joseph Swift	Leonard Singer						
Calpine	Generation Owners	None Assigned	Thomas Kaslow	Richard Felak					
East Coast Power Linden Holding LLC	Generation Owners	✓ Roy Shanker	Thomas Hoatson	Robert Licato	Kathy Benini				
Edison Mission Marketing & Trading	Generation Owners	✓ William Roberts	Jeffrey Ellis	Peter Brown	Rich Mooney				
Entergy Nuclear Northeast	Generation Owners	Marc Potkin	Angelo Vai	✓ Ron Mackowiak					
Indeck Energy Services	Generation Owners	Mike Ferguson	John Schrage	Mark Younger					
KeySpan Ravenswood, LLC	Generation Owners	Rich Hohlman	Joe Vignola	Jim Brennan	✓ Jim D'Andrea	Madison Milhous	Edwin Kichline		
Mirant New York, Inc.	Generation Owners	Vicki Lynch	James Mayhew	✓ Doreen Saia					
Orion Power New York	Generation Owners	✓ Liam Baker	Bill Berg						
Selkirk Cogen Partners, L.P.	Generation Owners	Tim Bittig	Steve Kampplia						
Sithe Energies, Inc.	Generation Owners	Scott Silverstein	Joe Klimaszewski	Jim Verna					
TransCanada Power Marketing	Generation Owners	William Taylor	Elaine Beaudry						
Advantage Energy, Inc.	Other Suppliers	Kyle Storie						✓ Rick Mancini	
Amerada Hess Corporation	Other Suppliers	Kevin LaGuardia	Bias Hernandez	George Braulke					
Brascan Energy Marketing Inc.	Other Suppliers	Robert Ricketts	Daniel Whyte						
Cinergy Capital and Trading	Other Suppliers	Jason Barker	Walt Yeager						
Con Edison Energy	Other Suppliers	✓ Stephen Wemple	Ivan Kimball						
Con Edison Solutions	Other Suppliers	✓ Stephen Wemple	Rich Staines						
Conectiv	Other Suppliers	Bill Fehr	John Foreman						
Constellation New Energy Inc.	Other Suppliers	Peter Duprey	Carrie CullenHitt	Sara O'Neill	Susan Chamberlin				
Constellation Power Source	Other Suppliers	✓ Glen McCartney	Mary Lynch	Daniel Allegretti					
Coral Power, LLC	Other Suppliers	Matt Picardi	Dave French						
DC Energy	Other Suppliers	✓ Bruce Bleiweis	Andrew Stevens	Matthew Tate					
Dominion Energy Marketing, Inc.	Other Suppliers	Wes Walker	Lou Oberski	Michael Bekker					
Duke Energy North America, LLC	Other Suppliers	Stacy Dimou	Del Disher						
Dynegy	Other Suppliers	Barry Huddleston	Jason Cox	Kevin White					
ECONergy	Other Suppliers	Saul Horowitz	Tom Halleran						
Epic Merchant Energy	Other Suppliers	Robert Erbrick	✓ Erik Abend	Wade Sullivan					
Exelon Generation - Power Team	Other Suppliers	Scott Silverstein	Joe Klimaszewski	Jim Verna					
Fortistar/Lockport Energy Associates, L.P.	Other Suppliers	Roger Kelley	Tom Gesicki	Mark Younger	✓ Glenn Haake				
FPL Energy	Other Suppliers	✓ David Applebaum	Fernando DaSilva	Ron Scheirer					
Galt Power	Other Suppliers	✓ Rick Mancini	Stephen Fernands						
HQ Energy Services	Other Suppliers	✓ Michel Prevost	Paul Norris	Benoit Goyette					
KeySpan Energy Services	Other Suppliers	Terrence Kain	✓ Jim D'Andrea	Edwin Kichline	James Cross	John Vaughn			
Morgan Stanley Capital Group	Other Suppliers	Patrick Murray	Karen Kochonies	Levon Kazarian	Doron Ezickson				
NRG Power Marketing	Other Suppliers	✓ Tim Foxen	Katie Sullivan	Peter Chamberlain					
NU / Select Energy	Other Suppliers	✓ Jim Scheiderich	Gunnar Jorgensen						
Ontario Power Generation Inc.	Other Suppliers	Scott McArthur	✓ Dave Barr	Ken Lacivita	Erica Cheung	Scott McArthur	✓ Glenn Haake		

New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance June 29, 2005 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
PPM Energy	Other Suppliers	Donald Winslow	Murray O'Neil						
PP&L Energy Plus	Other Suppliers	✓ Joseph Langan	Tom Hyzinski	Roland Moor	David Yannarell	Sharon Weber			
PSEG Energy Resources & Trade	Other Suppliers	Howard Fromer	Michael LaFalce	Bob Logan	Dennis Sobieski				
Reliant Energy Services, Inc.	Other Suppliers	✓ Liam Baker	Mark Sudbey	John Orr					
Semptra Energy Trading	Other Suppliers	Dan Staines	Maria Agovino	Scott Englander	Barry Trayers				
SESCO Enterprises, LLC	Other Suppliers	Mike Schubiger	Jim Thoresen						
Strategic Energy LLC	Other Suppliers	Francis Pullaro	Michael Swider	Jeffrey Knox	Brian Vayda				
Strategic Power Management, Inc.	Other Suppliers	Mario DiValentino	Tom Folchi						
TransEnergie U.S. Ltd.	Other Suppliers	Michael Jacobs	José Rotger						
Williams Power Company	Other Suppliers	David Singer	Mark Lassman	Robert O'Connell					
Long Island Power Authority	Public Power - Authorities	James Parmelee	✓ Kevin Jones	Dave Clarke	Jim Wittine				
New York Power Authority	Public Power - Authorities	Bob Deasy	✓ Bob Gow	Paul Rougeaux	✓ Kevin Kipers				
American Wind Energy Association	Public Power - Environmental	Valerie Strauss	✓ Larry DeWitt	Douglas Ward	✓ Mike Jacobs				
Environmental Advocates	Public Power - Environmental	Anne Reynolds	✓ Larry DeWitt						
Nat'l Resources Defense Council	Public Power - Environmental	Dale Bryk	✓ Larry DeWitt						
Pace University	Public Power - Environmental	Edward Smeloff	✓ Larry DeWitt						
Scenic Hudson	Public Power - Environmental	✓ Larry DeWitt							
Bath Electric, Gas & Water Systems	Public Power - Munis & Co-ops	Ken Moore	Tim Bush	Matthew Benesh	Ken Moore	Jack Brown			
City of Jamestown Board of Pub. Util.	Public Power - Munis & Co-ops	✓ David Gustafson	Wally Haase	Tom Rudebusch					
Lake Placid Village	Public Power - Munis & Co-ops	Peter Kroha	Tim Bush						
Municipal Commission of Boonville	Public Power - Munis & Co-ops	Kenneth Stabb	Tim Bush						
Plattsburgh Municipal Lighting Dept.	Public Power - Munis & Co-ops	Jack Brown	Tim Bush	Ken Moore					
Village of Arcade	Public Power - Munis & Co-ops	Larry Kilburn	Tim Bush						
Village of Fairport	Public Power - Munis & Co-ops	Ken Moore	Tim Bush	Paul Pallas					
Village of Freeport	Public Power - Munis & Co-ops	✓ Anthony Fiore	Ted Kimlingen	Tom Rudebusch					
Village of Rockville Centre	Public Power - Munis & Co-ops	Tom Cardile	Ken Moore	Matthew Benesh	Jim Hamilton	Paul Pallas	Jack Brown	✓ Dave Gustafson	
Village of Solvay	Public Power - Munis & Co-ops	Anthony Modafferi	Tim Bush						
Village of Westfield	Public Power - Munis & Co-ops	Jim Hamilton	Tim Bush	Ken Moore	Matthew Benesh	Jack Brown			
Central Hudson Gas & Electric	Transmission Owners	James Valteau	✓ Thomas Canino	Jeff May	Rick Greener				
Consolidated Edison	Transmission Owners	✓ Stuart Nachmias	Gerry Dunbar	Neil Butterklee					
National Grid	Transmission Owners	Bart Franey	Wesley Yeomans	Jerry Ancona	Janet Gail Besser	Terron Hill		✓ Mike Cadwalader	
NY State Electric Gas (NYSEG)	Transmission Owners	✓ Ray Kinney	✓ Patti Caletka	Steve Jeremko	Hank Masti				
Orange & Rockland, Inc.	Transmission Owners	None Assigned							
Rochester Gas & Electric	Transmission Owners	✓ Ray Kinney	✓ Patti Caletka	Steve Jeremko	Hank Masti				
Boundless Energy, L.L.C	Non-voting	Brian Chernack	Chuck Gilbert	Mark Mainetti					
Caithness Energy, L.L.C	Non-voting	Ross Ain	Jack Feinstein						
Cianbro	Non-voting	Ed Krapels	Brian Chernak	Paul Flemming					
Customized Energy Solutions	Non-voting	✓ Rick Mancini	Stephen Fernands	Bill Schofield					
Ecogen, L.L.C	Non-voting	Tom Hagner							
Energetix, Inc.	Non-voting	Barney Farnsworth	Gerald Strassner						
Fluent Energy	Non-voting	Michael Mastroianni	David Koplas	Margie Miller					
Hudson River Energy Group	Non-voting	Frank Radigan	Richard Canfield						
Hydro-Quebec TransEnergie	Non-voting	Glenn Sylvain	Mario Boucher						
NYS Department of Public Service	Non-voting	✓ Bill Heinrich	David Drexler						
Stealth Energy	Non-voting	Gad Cohen							
The Structure Group	Non-voting	Bob Furry							
Tom Halleran	Non-voting	Tom Halleran							
William P. Short	Non-voting	William Short	Marc Schaefer	Joe DeVito	John Brodbeck	Ron Matlock	Paul Savage	Roberto Denis	
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting	None Assigned							

NYISO and Hunton & Williams Members in Attendance:

New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance June 29, 2005 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
Ira Freilicher	Hunton & Williams								
Kevin Jones	Hunton & Williams								
✓ Janet Joyce	Hunton & Williams								
✓ Bob Thompson	NYISO								
Mark Lynch	NYISO								
✓ Mollie Lampi	NYISO								
✓ Gerald Deaver	NYISO								
✓ Karen Gach	NYISO								
Elaine Robinson	NYISO								
✓ Aaron Breidenbaugh	NYISO								
✓ Leigh Bullock	NYISO								
✓ Ray Stalter	NYISO								
✓ Debbie Eckels	NYISO								
✓ Dave Lawrence	NYISO								
✓ John Bubb	NYISO								
✓ Brad Kranz	NYISO								
✓ Jacquie Ponds	NYISO								
✓ Caleb Derven	NYISO								
John Cutting	NYISO								
✓ Nicole Bouchez	NYISO								
Ernie Cardone	NYISO								
John Charlton	NYISO								
Kathy Whitaker	NYISO								
✓ Andy Hartshorn	NYISO/LECG								

Key:

✓ = In attendance